IN THE CLAIMS

On page 13, line 1, please delete the current heading "CLAIMS" and insert the following new heading:

What is claimed is:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended)   A method for testing a receiver of a wireless messaging device in a mobile communication system, comprising:

generating (604), in a production stage of the wireless messaging device a test signal which contains physical time-slots, at least one of which is allocated for transmission of system information from a base transceiver station of the mobile communication system to the messaging device,characterized by; and

positioning (606) a synchronization sequence supported by the mobile communication system in a time-slot allocated for transmission of system information.

2. (Currently Amended)   A method according to claim 1,characterized by further comprising:

converting (608) the test signal to radio frequency; and

transmitting (610) the test signal to the receiver at the radio frequency.

3. (Currently Amended)   A method according to claim 1, characterized by wherein positioning comprises positioning (606) a frequency synchronization sequence supported by the mobile communication system in a time-slot allocated for transmission of system information[[;]], the method further comprising:

identifying ~~(720)~~ the frequency synchronization sequence from the test signal; and

frequency-synchronizing ~~(722)~~ the receiver by means of the frequency synchronization sequence.

4. (Currently Amended)   A method according to claim 1, ~~characterized by~~ wherein positioning comprises positioning ~~(606)~~ a time synchronization sequence supported by the mobile communication system in a time-slot allocated for transmission of system information[[;]], the method further comprising:

identifying ~~(726)~~ the time synchronization sequence from the test signal; and

time-synchronizing ~~(728)~~ the receiver by means of the time synchronization sequence.

5. (Currently Amended)   A method according to claim 1, ~~characterized by~~ wherein positioning comprises:

positioning ~~(606)~~ a frequency synchronization sequence supported by the mobile communication system in the first time-slot allocated for transmission of system information; and

positioning ~~(606)~~ a time synchronization sequence supported by the mobile communication system in the second time-slot allocated for transmission of system information in such a way that the interval between the front edge of the first time-slot and the front edge of the second time-slot is 8 time-slots.

6. (Currently Amended)   A method according to claim 1, ~~characterized by~~ wherein generating comprises generating ~~(604)~~ a test signal containing a 51-frame multi-frame, which has a plurality of time-slots allocated for transmission of system information[[;]], and positioning comprises positioning ~~(606)~~ synchronization sequences supported by the mobile communication system in time-slots allocated for transmission of

system information in such a way that the synchronization sequence is repeated at least 11 times in the 51-frame multi-frame.

7. (Currently Amended)   A method according to claim 1, ~~characterized by~~ further comprising:

positioning ~~(702)~~ a test sequence in the test signal;

receiving ~~(704)~~ the test signal;

identifying ~~(706)~~ the test sequence from the test signal;

generating ~~(708)~~ a variable characterizing the receiver by means of the test sequence;

transmitting ~~(710)~~ a signal containing the receiver-characterizing variable from the wireless messaging device; and

receiving ~~(712)~~ the signal containing the receiver-characterizing variable from the wireless messaging device.

8. (Currently Amended)   A method according to claim 1, ~~characterized by~~ wherein positioning comprises positioning ~~(606)~~ a synchronization sequence supported by the mobile communication system in a time-slot allocated for transmission of system information, which synchronization sequence contains at least one of the following: the training sequence code of a synchronization channel ~~(SCH)~~ according to the GSM standard; bits of a frequency correction channel ~~(FCCH)~~ according to the GSM standard.

9. (Currently Amended)   A method according to claim 1, ~~characterized by~~ further comprising transmitting ~~(610)~~ the test signal to the receiver via an antenna connection of the receiver.

10. (Currently Amended)   A method according to claim 1, ~~characterized by~~ further comprising loading ~~(602)~~ to the wireless messaging device a computer program which executes a computer process comprising ~~the steps of~~:

receiving the test signal as input;

identifying the synchronization sequence from the test signal; and

synchronizing the receiver by means of the synchronization sequence.

11. (Currently Amended)   A method according to claim 1, ~~characterized by~~ further comprising identifying ~~(612)~~ the synchronization sequence from the test signal; and

synchronizing ~~(614)~~ the receiver by means of the synchronization sequence.

12. (Currently Amended)   A system for testing a receiver of a wireless messaging device of a mobile communication system, comprising:

a test-signal generator ~~(102)~~ for generating a test signal ~~(106)~~[[,]] in a production stage of the wireless messaging device, which test signal ~~(106)~~ contains physical time-slots ~~(4A to 4J)~~, at least one of which time-slots ~~(4A, 4J)~~ is allocated for transmission of system information from a base transceiver station of the mobile communication system to the messaging device ~~(112)~~, ~~characterized in that~~ the test-signal generator ~~(102) is~~ being configured to position a synchronization sequence supported by the mobile communication system in a time-slot ~~(4A, 4J)~~ allocated for the transmission of system information.

13. (Currently Amended)   A system according to claim 12, ~~characterized in that the system~~ further ~~comprises~~ comprising:

conversion means ~~(104)~~ connected to the test-signal generator ~~(102)~~ for converting the test signal ~~(106)~~ to radio frequency; and

transmission means (110) connected to conversion means (104) for transmitting the test signal (106) to the receiver at the radio frequency.

14. (Currently Amended)   A system according to claim 13, characterized in that wherein the transmission means (110) are connected to an antenna connector of the wireless messaging device.

15. (Currently Amended)   A system according to claim 12, characterized in that wherein the test-signal generator (102) is configured to position one of the following in a time-slot (4A, 4J) allocated for transmission of system information: a time synchronization sequence supported by the mobile communication system, a frequency synchronization sequence supported by the mobile communication system.

16. (Currently Amended)   A system according to claim 12, characterized in that wherein the test-signal generator (102) is configured to position a frequency synchronization sequence supported by the mobile communication system in the first time-slot (4A) allocated for transmission of system information; and that, the test-signal generator (102) is being further configured to position a time synchronization sequence supported by the mobile communication system in the second time-slot (4J) allocated for transmission of system information in such a way that the interval between the front edge of the first time-slot and the front edge of the second time-slot is 8 time-slots.

17. (Currently Amended)   A system according to claim 12, characterized in that wherein the test-signal generator (102) is configured to generate a test signal (106) containing a 51-frame multi-frame (500), which has a plurality of time-slots (5C, 5D) allocated for transmission of system information; and, the test-signal generator (102) is being further configured to position synchronization sequences supported by the mobile communication system in time-slots (5C, 5D) allocated for transmission of system information in such a way that the synchronization sequence is repeated at least 11 times in the 51-frame multi-frame.

18. (Currently Amended)   A system according to claim 12, ~~characterized in that~~ wherein the test-signal generator ~~(102)~~ is configured to position in the test signal ~~(106)~~ a test sequence, of which the receiver generates a variable characterizing the receiver.

19. (Currently Amended)   A system according to claim 12, ~~characterized in that~~ wherein the test-signal generator ~~(102)~~ is configured to position a synchronization sequence supported by the mobile communication system in a time-slot ~~(4A, 4J)~~ allocated for transmission of system information, which synchronization sequence contains at least one of the following: the training sequence code of a synchronization channel ~~(SCH)~~ according to the GSM standard; bits of a frequency correction channel ~~(FCCH)~~ according to the GSM standard.

20. (Currently Amended)   A system according to claim 12, ~~characterized in that~~ wherein the system further comprises a connection unit ~~(134)~~ for receiving from the wireless messaging device a signal ~~(126)~~ that contains a variable characterizing the receiver.

21. (Currently Amended)   A system according to claim 12, ~~characterized in that~~ ~~the system comprises~~ further comprising a loading unit ~~(144)~~ for loading a computer program to the wireless messaging device, which computer program executes a computer process comprising the steps of:

receiving the test signal as input;

identifying the synchronization sequence from the test signal; and

synchronizing the receiver by means of the synchronization sequence.

22. (Currently Amended)   A computer program for executing a computer process for testing a receiver of a wireless messaging device of a mobile communication system, the computer process ~~being characterized in that it comprises the steps of~~ comprising:

receiving (610B), in a production stage of the wireless messaging device, as input a test signal containing physical time-slots, at least one of which is allocated for transmission of system information from a base transceiver station of the mobile communication system to the messaging device, a synchronization sequence supported by the mobile communication system being positioned in this time-slot;

identifying (612) the synchronization sequence from the test signal; and

synchronizing (614) the receiver by means of the synchronization sequence.

23. (Currently Amended)   A computer program according to claim 22, characterized in that wherein the computer process comprises:

receiving (718) the test signal as input, a frequency synchronization sequence being positioned in at least one of its time-slots allocated for transmission of system information;

identifying (720) the frequency synchronization sequence from the test signal; and

frequency-synchronizing (722) the receiver by means of the frequency synchronization sequence.

24. (Currently Amended)   A computer program according to claim 22, characterized in that wherein the computer process comprises the steps of:

receiving (724) the test signal as input, a time synchronization sequence being positioned in at least one of its time-slots allocated for transmission of system information;

identifying (726) the time synchronization sequence from the test signal; and

time-synchronizing (728) the receiver by means of the time-synchronization sequence.

25. (Currently Amended)   A computer program according to claim 22, ~~characterized in that~~ wherein the computer process comprises:

receiving ~~(610B)~~ as input a test signal which contains a 51-frame multi-frame with a plurality of time-slots allocated for transmission of system information, synchronization sequences supported by the mobile communication system being positioned in time-slots in such a way that repetition of the synchronization sequence in the 51-frame multi-frame is at least one of the following: 7 times, 11 times; and

synchronizing ~~(614)~~ the receiver by means of the synchronization sequences.

26. (Currently Amended)   A computer program according to claim 22, ~~characterized in that~~ wherein the computer process comprises:

receiving ~~(704)~~ as input the test signal that contains a test sequence;

identifying ~~(706)~~ the test sequence from the test signal;

generating ~~(909)~~ a variable characterizing the receiver by means of the test sequence; and

outputting ~~(710)~~ the signal containing the receiver-characterizing variable to an external bus of the wireless messaging device.

27. (Currently Amended)   A computer program according to claim 22, ~~characterized in that~~ wherein the computer process comprises receiving ~~(610B)~~ as input the test signal that contains physical time-slots, at least one of which time-slots is allocated for transmission of system information from the base transceiver station to the messaging device, and in which time-slot a synchronization sequence supported by the mobile communication system is positioned, the synchronization sequence comprising at least one of the following: the training sequence code of a synchronization channel ~~(SCH)~~ according to the GSM standard; bits of a frequency correction channel ~~(FCCH)~~ according to the GSM standard.